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(56) Documents Cited by ISA

US 6243580 B1

US 6097733 A

US 5996013 A

US 5719854 A

US 5596576 A

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(71) Applicant(s)

Comsat Corporation

(Incorporated in USA - Maryland)

22300 Comsat Drive, Clarksburg,

Maryland 20871, United States of America

(74) Agent and/or Address for Service

Page White & Farrer

54 Doughty Street, LONDON, WC1N 2LS,

United Kingdom

(72) Inventor(s)

Pratik Bose

Dilip Gokhale

Ajai Kaul

Udayan Narayan Borkar

(54) Abstract Title

Dynamic allocation of network resources in a multiple-user communication system

(57) In a multiple-user network communication system such as a satellite-based system, or in cable or wireless systems, the system resources, such as bandwidth, code allocation, and or slot timing, are allocated to users based in part on their class of service. The allocation provides for immediate allocation of the requested resources to a user having a verified high class of service so long as the resources are abatable or can be made available by tapping a resource reserve. If only a portion of the requested resources are available, they are made available immediately. From time to time, the resources available to at least one class of service are allocated among the users of that class of service, either equally, equally up to the requested resources, equitably, or in some systematic manner.

GB 2 382 264 A